

LUPINEK, M.

High-frequency heating in the manufacture of radio tubes. p. 28.

Vol. 14, no. 1, Jan. 1953
SLABOPROUDY OBZOR
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

LUPINEK, M.

LUPINEK, M.

Characteristic properties of cathodes with hot emission of electrons.
(Supplement) p. P67. (Slaboproudý Obyzor. Praha. Vol. 14, no. 11, Nov. 1953)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6,
June 1955, Uncl.

LUPINER, M

621.385.032.21

5206. New cathodes for electronic valves. M.
LUPINER. *Slaboproudy Obzor*, 15, No. 2, 1983

(1984) in Czech.

A review of the properties of and a critical comparison between the various types of old and new thermionic cathodes. It is pointed out that the requirements to be met in u.h.f. applications can be met in two ways: (1) perfecting the known types of cathodes (ThW and BaO-SrO) by employing purer materials and improved processing and de-gassing technique; (2) employing new types of cathodes, namely "L" cathode, TaO₂, BaW, ZrC and LaB₆ cathodes. The new cathodes are described in some detail and compared by means of graphs and tables. It is concluded, on the basis of the available data, that BaW and ZrC cathodes are preferable to any other, especially in transmitting and rectifying valves, and can be successfully employed also to replace the W, ThW and BaO-SrO cathodes in current-production valves and gas-discharge tubes. R. S. WIDOROWICZ

LUPINEK, M.

New cathodes for electronic valves. p. 74.
SLABOPROUDY OBZOR, Prague, Vol. 15, no. 2, Feb. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956, Uncl.

LUPINEK, M.

Stivin and others' Vysokofrekvenčni ohrev v průmyslu (High-Frequency Induction Heating in Industry); a book review. p. 337. (SLABOPROUDY OBZOR, Vol. 17, No. 6, June 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

Lupinek

2240. BARIUM DIFFUSION CATHODES FOR ELECTRONIC VALVES, M. Lupinek. 621.385.032.21

Slaboproudý Odsor, V37. 17, No. 7, 393-7 (1956). In Czech

A review paper dealing with the known electrical and technological data obtained with two older types of diffusion cathode: the cathode and BaW cathode with barium azides, and describing the new BaW barium-aluminate-impregnated cathode and the BaV cathode. The barium-aluminate-impregnated cathode is made of pure tungsten powder which is afterwards impregnated at a high temperature and has the emission characteristics of the old cathodes and

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Lupinek, M.

Lupinek, M. L. N. Dobretsov's Electron and Ion Discharges; a book review.
(Supplement). p. L9.

Vol. 18, no. 2, Feb. 1957
SLABOPROUDY OBZOR
TECHNOLOGY
Czechoslovakia

So. East European Accessions, Vol. 6, May 1957
No. 5

LUPINEK M.

CZECHOSLOVAKIA/Radiophysics - Generation and Transformation of
Radio Frequency Fluctuations.

I-3

Abs Jour : Ref Zhur - Fizika, No 2, 1958, No 4077

Author : Lupinek Miroslav

Inst : Not Given

Title : Magnetron Oscillators for High Frequency Heating

Orig Pub : Slaboproudý obzor, 1957, 18, No 6, 362-366

Abstract : Examination of the fundamental principles of dielectric heating at ultra high frequency waves, examples of its application in practice, requirements that must be satisfied by high frequency generators, and examples of constructions of magnetrons

Card : 1/1

BANACH, J., inz.; LUPINEK, M., inz. dr.; PETRAS, I., inz.; TRUKSA, V.

A magnetron amplifier for the 3 cm band (A 48). Sbor vak
elektrotech 4:5-15 '64.

1. Tesla, Pardubice (for Banach). 2. Research Institute of
Vacuum Electrical Engineering, Prague (for all except Banach).

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SCIENCE

Periodicals: METEOROLOGICKE ZPRAVY. Vol. 11, no. 6, Dec. 1958

LUPINEK, Z. Batteries for radiosondes. p. 142.

Monthly List of East European Accesssions (EEAI) LC, Vol. 8, No. 5,
May 1959, Unclass.

LUPINEK, Z.; PARMA, R.; KONECNY, M.; URBANEK, E.

Effect of chloroquine on the activity of the thyroid gland. *Scr. med. fac. med. Brunensis* 34 no.6:257-262 '61.

1. Katedra farmakologie lekarske fakulty university J. E. P. v Brne
Vedouci MUDr. Josef Sajner, C. Sc. Oddeleni nuklearni mediciny katedry
patologicke fyziologie lekarske fakulty university J. E. P. v Brne
Vedouci Doc. MUDr. Jaromir Vasku, C. Sc.

(THYROID GLAND pharmacol) (CHLOROQUINE pharmacol)

LUPINEK, Zdenko
SURNAME, Given Name

(2) 2

Country: Czechoslovakia

Academic Degrees: MD

Affiliation: Chair of Pharmacology and Toxicology Medical Faculty Jan E. Purkyne University (Katedra farmakologie a toxikologie lekárske fakulty University J. Ev. Purkyne) Chief: Dr J. SAJNER; Brno

Source: Prague, Prakticky Lekar, Vol 41, No 15-16, Aug 21, 1961; pp 690-693

Data: "Therapy of Undesirable Reactions to Penicillin"

GPO 981643

LUPINER, 2.

#245

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- [illegible]

LUPINEK, Z.; RYSAVY, F.; SVOBODA, K.; PRIKRYL, Z.

On clinical experiences with some drugs used in the treatment of angina pectoris. Ser. med. fac. med. Brunensis 38 no.1: 51-63 '65

1. I. interni klinika lekarske fakulty University J.E.Purkyně v Brně (vedoucí: prof. MUDr. M. Štejfka) a Městský ústav národního zdraví v Brně (vedoucí: MUDr. J. Trnka).

LUPINKOVA, Z.; LUPINEK, Z.

On drug therapy of *tuberculosis*. Vnitřní lek. 11 no.3:270-275
Mr. '65

1. I. vnitřní klinika lékařské fakulty University J.E.Purkyne
v Brně (prednosta: prof. MUDr. M. Stejfa).

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Biogenic amines. Vnitřní lek. 11 no.4:400-402 Ap'65.

LUPINOS, B. (g.Amvrosiyevka)

They know the value of a human being. Okhr.truda i sots.strakh.
no.3:66-67 Mr '59. (MIRA 12:4)
(Amvrosiyevka--Cement industries--Hygienic aspects)

LUPINOS, B. (g. Anvrosiyevka)

The joy of Ignat Gabelko. Odkr, truda i sots. strakh. 3
no. 12:33-35 D '60. (MIRA 13:12)
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LUPINOS, I.

Science is our aid. Sov. profsoiuzy 19 no.22:10-11 N '63.

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1. Predsedatel' soveta Nauchno-tekhnicheskogo obshchestva
sovkhoza imeni 1 maya, Khar'kovskaya obl.

LUPINOS, I. T., (Chief Veterinary Surgeon of the State Farm inenil
Maya, Khar'kov oblast')

Control of chicken coccidiosis

Veterinariya vol. 38, no. 9, September 1961 pp. 19.

PALIMSESTOV, M. A. (Professor), TIMCHENKO, A. D. (Candidate of Veterinary Sciences, Kharkov Zooveterinary Institute) and LUPINOS, I. T. (Veterinary Surgeon, poultry breeding sovkhoz "Imeni I Maya", Kharkov Oblast)

"Medicinal effectiveness of furazolidone in chicken coccidiosis"

Veterinariya, vol. 39, no. 4, April 1962, p. 46

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Controlling coccidiosis in chickens. Veterinariia 38 no.9:
19-20 S '61. (MIRA 16:8)

1. Glavnyy veterinarnyy vrach sovkhoza imeni 1-go Maya,
Khar'kovskoy oblasti.

FALLINGBOM, K.A., prof.; FRIEDMAN, A.M., prof. of organic chem.,
DIBINS, A.M., research asst.

Therapeutic effect of Eurycoma on conditions of the
Veterinarily 29 from 40-47. 40-47.

1. Khar'kovskiy gosudarstvennyy universitet (for Tallinn and
Tiumenensk). 2. Khmel'nyy pils'nyy khoz'yaistvo-kol'hoz.
Abrikosovskiy shkol' (for Leningrad).

1ST AND 2ND COLUMNS										PROCESS AND PROPERTIES INDEX										100 AND 4TH COLUMNS																																																																					
CA 15 The influence of fertilizers on the accumulation of citric acid in the leaves of "Makborka" of the B. S. S. R. P. A. Kurchatov, I. S. Lupinovich and M. I. Busyuk. <i>Trudy Vsesoyuz. Nauch. Tsent. 3, 61-8(1953); Chem. Zentr. 1959, I, 2273.</i>—Different kinds of "Makborka" from the B. S. S. R. (White Russia) contain up to 0.3% citric acid. By proper fertilizing, enrichment of the citric acid in the tobacco leaves is possible. The max. accumulation of citric acid was obtained by the use of K fertilizer. At present 330 kg. of citric acid is obtained per ha. M. G. Mowr																																																																																									
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Vice Pres., Belorussian Acad. Sci., c1948-51-. Dr. Agricultural Sci.Mbr., Editorial Bd., Vestnik Akad. Nauk Belorussian SSR, -1943-. "On the Question Concerning the Change in Physico-Biochemical Characteristics of Peat Soil in Connection with Development and Agricultural Utilization," Iz. Ak.Nauk. BSSR, No. 3, 1949; "Contemporary Status of the Study of the Polessk Lowlands and the Undertaking of Scientific Research Organization of Problems of Utilization and Development of the Productive Forces of Poles'ye," from Collection: K voprosy i razvitiya proizvodit, oil Poles'ya, Iz. Dokladovna Konfetsii, posvyashch. izucheniyu proizvodit, sil Poles'ya, Minsk, 1949.

"Zaimiche Soils of West Siberia and their Utilization for the Cultivation of Koksaghyz," Pedology, No 2, 1942. Prof.

LUPINOVICH, I.S. and CHUDAKOV, Evgenii Alekseevich

CHUDAKOV, Evgenii Alekseevich and I.S. Lupinovich. Osnovnye itogi rabot Komissii po mobilizatsii resursov Srednego Povolzh'ia i Prikam'ia za 1942-1944 gg. Moskva, AN SSSR, 1945. 89 p. (Akademiia Nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil.)

DLC: TH85.G5

SO: LC, Soviet Geography, Part I, 1951, Uncl.

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41961. GRASHCHENKOV, N. I. LUPINOVICH, I. S.--- Itogi komplechoy konferentsii po izucheniyu proizvoditel'nykh sil poleskoy nizmennostn. Izvestiya akad. Nayk BSSR, No. 4, 1948, s. 27-38

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948

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42162 LUPINOVICH, I. S. Michurinskaya agrobiologicheskaya nauka i yee rol' v razvitii sotsialisticheskogo sel'skogo khozyaystva BSSR. (Doklad i preniya na zasedanii prezidiuma Akad. nauk BSSR 3sent. 1948g.) Izvestinya Akad. nauk BSSR, No.5, 1948, c. 3547,49-102.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948

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42372 YERMOLENKO, N. F. , LUPINOVICH, I. S. - Problema kompleksnogo tekhnicheskoto ispol'zovaniya lyupina. (K itogem soveshchaniya pri Otd-Niifizmatem ch tekhn. Nauk akad. Nauk VSSR. May 1948 g). Izvestiya akad. Nauk Vssr No 5, 1948, S. 107-16.

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AKADEMIYA navuk BSSR, Minsk. Handbook on draining and agricultural utilization of swamps. Minsk, Gos. izd-vo BSSR, Red. sel'khoz. lit-ry, 1949. 290 p. (54-21164)

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27220 Sovremennoe Sostoyanie Izuchennosti Polesskoy Nizmennosti I Zadachi Nauchno-Issledovatel'skikh Organizatsiy V Problame Osvoeniya I Razvitiya Proizvoditel'nykh Sil Poles'ya. V sb: K Voprosu Osvoeniya I Razvitiya Proizvodit. Sil Poles'ya. Minsk, 1949, s. 7-27.-- Bibliogr: 64 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

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Lupinovich, I. C. I Golub T. F. K Voprosu Ob Izmenenii Fiziko-
Bibkhimicheskikh Svoistv Torfyanykh Po Chv V Svyazi S Meliorztsiei
I Sel'Skokhozya Istvennym Ispol'zovaniem. Izvestiya Akad Nauk Bssr
1949 No. 3 S 57-77 Bibliogri: Nazv

SO:

Letopis! No. 30, 1949

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Agriculture

Great projects of communism and the transformation of nature; collection of articles,
Pod red I.S. Lupinovicha. Minsk, Izd. Akad. nauk BSSR, 1951

Monthly List of Russian Accessions, Library of Congress, Dec. 1952. Unclassified

1. LUPINOVICH, I. S.
2. USSR (600)
4. Agriculture
7. Peat-bog soils in the Belorussian S. S. R. and their fertility. Minsk, Izd-vo AN BSSR, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953. Unclassified.

LUPINOVICH, I.S.; SKOROPANOV, S.G.; DENISOV, Z.N.; KOVDA, V.A., otv.red.;
MARKOV, V.Ya., red.izd-va; POLYAKOVA, T.V., tekhn.red.

[Transformation of nature in the Polesyan lowlands] Preobrazo-
vanie prirody Poleskoi nizmennosti. Moskva, Izd-vo Akad.nauk
SSSR, 1953. 77 p. (MIRA 13:7)
(Polesye--Drainage)

LUPINOVICH, I.S.

MIKHAYLOVSKAYA, V.A.; SHISHKIN, B.K., red.; LUPINOVICH, I.S., red.;
TOMIN, M.P., red.; ALEKSANDROVICH, Kh., tekhn.red.

[Flora of the Polesye Lowlands] Flora Polesskoi nizmennosti.
Minsk, Izd-vo AN BSSR, 1953. 453 p. (MIRA 11:5)

1. Chlen-korrespondent AN SSSR (for Shishkin). 2. Deystvitel'nyy
chlen AN BSSR (for Lupinovich). 3. Chlen-korrespondent AN BSSR
(for Tomin)
(Polesye--Botany)

LUPINOVICH, I.S.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
<u>LUPINOVICH, I.S.</u> GOLUB, T.F.	"Peaty Swamp Soils of the Belorussian SSR and Their Fertility"	Academy of Sciences Belorussian SSR

80: W-30604, 7 July 1954

Lupinovich, I. S.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
<u>Lupinovich, I. S.</u>	"Soils of the Belorussian SSR"	Institute of Socialist Agriculture, Academy of Sciences Belorussian SSR
Rogovoy, P. P.		
Medvedev, A. G.		
Bulgakov, N. P.		
Chetverikov, V. N.		

SO: W-30604, 7 July 1954

LUPINOVICH, I. S.

Regulating the moisture regime of swamps and swamped
soils as a necessary condition for increasing their produc-
tivity. I. S. Lupinovich. *Pochvedenie* 1954, No. 7,
20-33. (Russian). The ash content, N, K, P, Ca,
pH, moisture-holding capacity, and vol. wt. were detd. for
low-moor and high-moor peat-bog soils. J. S. Joffe

KAYGORODOV, A.I.; LUPINOVICH, I.S., redaktor; MARKOV, V.Ya., redaktor;
DZERDZEYEVSKIY, B.L., doktor fiziko-matematicheskikh nauk, redaktor;
POLYAKOVA, T.V., tekhnicheskiy redaktor

[Classification of the earth's climates by natural zones] Estestven-
naya zonal'naya klassifikatsiya klimatov zemnogo shara. Moskva, Izd-
vo Akademii nauk SSSR, 1955. 117 p. (MLRA 9:1)

1. Deystvitel'nyy chlen Akademii nauk Belorusskoy SSR (for Lupinovich,
Dzerdzeyevskiy) 2. Vitse-president Akademii nauk Belorusskoy SSR, (for
Dzerdzeyevskiy)

(Climatology)

LUPINOVICH, L.S., professor; SHCHITNIKOV, P.I., inzhener.

Drainage and cultivation of swamps and swampy soils in the
Polesye Lowland. Trudy Inst.mel.,vod.i bol.khoz.AN BSSR 6:
3-20 '55. (MLRA 9:10)

1. Deystvitel'nyy chlen AN BSSR (for Lupinovich) 2. Direktor
Belgiprovodkhoza. (for Shchitnikov).
(Polesye--Drainage) (Polesye--Swamps)

SKOROPANOV, S.G.; ROZENBLYUM, B.M.; VAN'KEVICH, A.P.; LUPINOVICH, I.S.,
akademik, redaktor; KAZACHENOK, V., redaktor; KARPINOVICH, Ya.,
tekhnicheskiiy redaktor

[New and waste lands of White Russia and their reclamation] TSelinnye
i zaleznye zemli BSSR i ikh osvoenie. Minsk, Gos. izd-vo BSSR, 1956.
122 p. (MLRA 9:10)

1. Akademiya nauk BSSR (for Lupinovich)
(White Russia--Agriculture)

~~LUPINOVICH, I.S.~~, akademik, redaktor; LAPPO, A.I., akademik, redaktor;
RABINOVICH, A., redaktor; KARPINOVICH, Ya., tekhnicheskii redaktor

[Corn; a guide to corn growing in White Russia] Kukuza;
rukovodstvo po vozdeiyvaniu kukuruzy v BSSR. Minsk, Gos.izd-vo
BSSR, 1956. 283 p. (MIRA 10:8)

1. Akademiya nauk BSSR. (for Lupinovich, Lappo)
(White Russia--Corn (Maize))

LUKASHEV, K.I., akademik; LUPINOVICH, I.S., nauchnyy redaktor; SHCHERBINA, V.N., nauchnyy redaktor; KISHCHENKO, L., redaktor; GURVICH, G., tekhnicheskiiy redaktor

[Geochemical types of weathering zones in Soviet territory] Zonal'-nye geokhimicheskie tipy kory vyvetrivanii na territorii SSSR. Minak, Izd-vo Belorusskogo gos. univ. im. V.I.Lenina, 1956. 304 p. (MIRA 10:2)

1. Akademiya nauk BSSR (for Lukashev)
(Weathering) (Geochemistry)

LUPINOVICH, I.S., akademik; redaktor; SKOROPANOV, S.G., redaktor; LARIN, V.,
redaktor; KARPINOVICH, Ya., tekhnicheskiiy redaktor

[Meadows and pastures of White Russia and their improvement] Kormovye
ugod'ia BSSR i ikh uluchshenie. Pod red. I.S.Lupinovicha i S.G.
Skoropanova. Minsk, Gos. izd-vo BSSR, 1956. 403 p. (MLRA 9:12)

1. Akademiya navuk BSSR, Minsk. Instytut meliyaratsyi, vodnai i
balotnai haspadarki. 2. Chlen-korrespondent AN BSSR (for Skoropanov)
(White Russia--Pastures and meadows)

LUPINOVICH, I. S.

"The Cultivation of Marshy Soils," a paper presented at the 6th International Soil Science Congress, Paris, 28 Aug to 8 Sep 56.

In Library Branch #5

LUPINOVICH, I.S.; YANUSHKEVICH, K.N., kandydat biyalgichnykh navuk, akademik.

Effect of the root system of perennial grasses on the distribution of microorganisms in peat-bog soils. Vestsi AN BSSR Ser.bikal.nav. no.2:5-18 '56. (MIRA 10:1)

1. Akademiya nauk BSSR (for Lupinovich).
(Grasses) (Rhizosphere microbiology) (Peat soils)

Country : USSR
 Category : Soil Science. Fertilizers. General. J
 Abs Jour : RZhBiol., No 6, 1959, No 24641
 Author : Lupinovich, I. S.; Golub, T. F.; Vavula,
 F. P.
 Inst : Academy of Sciences BSSR.
 Title : Concerning the Effect of Fertilizers on the
 Fertility of Peat-Boggy Soils.
 Orig Pub : Vestsi AN BSSR. Ser. biyal. n., 1956, No. 3,
 5-14
 Abstract : The joint application of lime, manure and
 kainite on the peat-boggy soils of the low-
 land type of the Minsk Bog Experimental Sta-
 tion (1950-1953) caused considerable increase
 in the soil of the quantity of ammonia-fixa-
 tion bacteria, nitrification organisms, acti-
 nomycetes and spore-forming microorganisms. Mi-
 neralization processes of the organic residues
 Card : 1/2

Country : USSR
Category : Soil Science. Fertilizers. General. J
Abs Jour : RZhBiol., No 6, 1959, No 24641
Author :
Inst :
Title :
Orig Pub :
Abstract : were intensified in the soil. The potato harvest in fertilized regions reached 173 percent in comparison with the harvest on plots under control. -- B. Kh. Sukhareva

Card : 2/2

LUPINOVICH, I.S.

LUPINOVICH, I.S., YANUSHKEVICH, K.N.

Development of microflora in the rhizosphere of alfalfa on peat bog
soils of new and old cultivation. Vestsi AN ESSR. Ser. biol. nav.
no. 4:5-18 '56. (MIRA 10:6)
(Alfalfa) (Rhizosphere microbiology)

USSR / Soil Science. Biology of Soils.

J

Abs Jour: Ref Zhur-Biol., No 21, 1953, 95737.

Author : Lupinovich, I. S., Vavulo, F. P.
Inst : Belorussian Scientific-Research Institute of
Melioration and Water Management.
Title : Spread of Microorganisms Which Destroy Cellulose
in the Peat-Marsh Soils of the BSSR.

Orig Pub: Tr. Belorussk. n.-i. in-ta melior. i vodn.
kh-va, 1956, 7, 317-329.

Abstract: The influence was studied of the various methods
of cultivating peat-marsh soils on the develop-
ment of microorganisms which destroy cellulose.
Destruction of cellulose proceeded more actively
in variants with autumn plowing plus spring disk-
ing and spring cultivation without plowing in com-
parison with full preparation of the soil from

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USSR / Soil Science. Biology of Soils.

J

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95737.

Abstract: autumn on (disking). With primary cultivation of virgin peat soils, more favorable conditions for cellulose-destroying microorganisms (in the surface horizons) were created by cutting in than were by plow cultivation. It is also indicated that in the upper horizons of old arable soils, the aerobic cellulose-destroying microflora are more active in comparison with the microflora of unreclaimed marshes. There was no marked difference in the composition of the microflora species of these soils. The use of azobacterin has a positive influence on the development of cytophaga and contributes to the increase of harvest on the peat soils. -- D. B. Gurfel'.

Card 2/2

LUPINOVICH, I. S.

SKOROPANOV, S.G.; SHABUNINA, M.M.; LUPINOVICH, I.S., akademik, redaktor;
BARMICHEV, V., redaktor izdatel'stva; ALEKSANDROVICH, Kh., tekhredaktor

[Importance of farming perennial grasses in bog soils]
Agrotekhnicheskaya rol' mnogoletnikh trav na torfiano-bolotnykh
pochvakh. Minsk, Izd-vo Akad. nauk BSSR, 1957. 114 p.
(MLRA 10:5)

1. Akademiya nauk BSSR. (for Lupinovich)
(Peat soils) (Grasses)

LUPINOVICH, I.S., akademik; VAVULA, F.P., kand.biol.nauk

Distribution of nitrifying bacteria in peat-bog soils of the White
Russian S.S.R. Vestsi AN BSSR. Ser. biol. nav. no.4:5-13 '57.
(MIRA 11:6)

1.AN BSSR (for Lupinovich).
(WHITE RUSSIA--PEAT SOILS) (BACTERIA, NITRIFYING)

LUPINOVICH, I.S., akademik; SHKLYAR, A.Kh., dotsent; SINYAKOVICH, G.A.,
red.; LAZAREVA, M., tekhred.

[Through the White Russian Polesye; geographical sketches]
Po Belorusskomi Poles'iu; geograficheskie ocherki. Minsk, Belorusskii gos.univ., 1958. 100 p. (MIRA 12:4)

1. Akademiya nauk BSSR (for Lupinovich).
(Polesye)

MALININ, S.N., dotsent, kand.ekon.nauk, otv.red.; LUPINOVICH, I.S., doktor sel'skokhoz.nauk, akademik, zamestitel' otv.red.; URUSOV, V.V., otv.red. po vypusku; LUKASHEV, K.I., doktor geologo-mineral.nauk, akademik, red.; AVKSENT'YEV, A.N., kand.geologo-mineral.nauk, red.; ROGOVOY, P.P., doktor sel'skokhoz.nauk, akademik, red. Sostaviteli kart: BOBYLEVA, Ye.A.; VOLKOVA, V.V.; VORONTSOVA, G.V.; MARKOVA, N.T.; TIKHONRAVOVA, Ye.V.. IL'YUSHIN, I.M., kand.filosof.nauk, red.kart; KRAVCHENKO, I.S., kand.istor.nauk, red.kart; KUPREVICH, V.F., doktor biolog.nauk, akademik, red.kart; BURZGAL, T.S., red.-kartograf; GULYUK, G.I., red.-kartograf; LEVSHINOV, A.O., red.-kartograf; HUTKOVSKAYA, M.S., red.-kartograf; SVIRSKIY, A.S., red.-kartograf

[Atlas o the White Russian Soviet Socialist Republic] Atlas Belorusskoy Sovetskoy Sotsialisticheskoy Respubliki. Minsk, Akad.nauk BSSR. Glav.upr.geodez. i kartografii MVD SSSR, 1958. XIV, 140 maps. (MIRA 12:4)

1. Predsedatel' Gosplana BSSR (for Malinin). 2. AN BSSR; prezident Akademii sel'skokhoz.nauk BSSR (for Lupinovich). 3. Direktor Minskoy kartograficheskoy fabriki (for Urusov). 4. AN BSSR; vitse-prezident AN BSSR (for Lukashev). 5. AN BSSR (for Rogovoy); 6. Chlen-korrespondent AN BSSR (for Il'yushin). 7. AN BSSR; chlen-korrespondent AN SSSR; prezident AN BSSR (for Kuprevich).
(White Russia--Maps)

LUPINOVICH, I.S.; GOLUB, T.F.; KOVDA, V.A., red.; BULAT, O., red. izd-va;
VOLOKHANOVICH, I., tekhn. red.

[Peat-bog soils in White Russia and their fertility] Torfiano-
bolotnye pochvy BSSR i ikh plodородie. Izd.2., perer. i dop.
Minsk, Izd-vo Akad. nauk BSSR, 1958. 315 p. (MIRA 11:9)

1. Chlen-korrespondent Akademii nauk SSSR (for Kovda).
(White Russia--Peat soils)

LUPINOVICH, I.S.

AUTHOR: Gerardi, I.A., Engineer

SOV/99-58-10-13/13

TITLE: Melioration Problems at the Joint Session of the All-Union Academy of Agricultural Sciences imeni V.I. Lenin in Minsk (Voprosy melioratsii na ob yedinonnoy Sssii Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I. Lenina v g. Minske)

PERIODICAL: Gidrotekhnika i melioratsiya, 1958, Nr 10, pp 61-64 (USSR)

ABSTRACT: From 8-11 July 1958, a joint scientific session of the All-Union Academy of Agricultural Sciences imeni V.I. Lenin took place in Minsk. The main subject of this conference was the generalization of scientific achievements and experience in the draining and utilization of swamps in the non-black soil regions of the European part of the USSR. Representatives of many scientific research institutes, the respective ministries and of some kolkhozes took part in this meeting. P.P. Lobanov, President of the All-Union Academy of Agricultural Sciences imeni V.I. Lenin reported on "The Growing Role of Scientific Institutions in the Organization of Agricultural Production According to the Regulations of the July Plenum of the TsK KPSS". I.S. Lupinovich, President of the Byelorussian Academy of Agriculture spoke on the necessity of a fundamental change in

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Melioration Problems at the Joint Session of the All-Union Academy of
Agricultural Sciences imeni V.I. Lenin in Minsk

drainage methods in the BSSR and the Baltic Republics. Te.Ye. Smirnov, head of the kolkhoz BVO and Hero of Socialist Labor, and K.I. Shaplyko, head of the kolkhoz "Chyrvonaya zmena" and Hero of Socialist Labor, reported on the importance and influence of drainage methods in the production of kolkhozes. Academician I.A. Sharov dealt with "The Improvement of Drainage Methods in Other Than Chernozem Regions of the USSR, and Its Further Development". I.A. Ceicys, Director of the Lithuanian Scientific Research Institute of Melioration, reported on progress made in this field in the Lithuanian Republic. Ya.Ya. Bergman, Director of the Latvian Scientific Research Institute of Hydraulic Engineering and Melioration, presented some data on a harvest increase in drained areas of the kolkhozes "Nakotne" and "Dayle". There is 1 table.

1. Soils--Moisture content
2. Water--Control
3. Drainage
4. Scientific reports

Card 2/2

USCOMM-DC-60239

MALININ, S.N.; LUPINOVICH, I.S.; MOLOCHKO, I.S.; ABRAMCHUK, A.P.; ALEKSEYEV, Ye.K.; AL'SMIK, P.I.; AMBROSOV, A.L.; ANDREYEVA, N.M.; ANOKHIN, A.N.; AFONIN, M.I.; BABOSOV, M.M.; BALOBIN, V.N.; BARANOVSKIY, A.K.; BEZDENKO, T.T.; BEL'SKIY, B.B.; BOBKOVA, A.F.; BOL'SHAKOVA, V.P.; BULGAKOV, N.P.; VAGIN, A.T.; BIL'DFLUSH, R.T.; VIL'CHINSKIY, A.D.; VLASOVA, K.S.; VOYTKO, D.I.; VOLUZNEV, A.G.; GABYSHEV, M.F. [deceased]; GAYKO, A.A.; GALASHEV, M.A.; GOREGLYAD, Kh.S.; GARKUSHA, I.P.; GOSTILOVSKAYA, M.N.; GORBUNOVA, N.N.; GORSKIY, N.A.; GORFINKEL', Z.Sh.; GRUBILKO, N.P.; GUSAKOV, V.A.; GUDAYKIN, A.I.; DANILOVICH, A.F.; DEMENT'YEV, V.A.; DENISOV, Z.N.; DOROZHKN, N.A.; DUBOV, A.B.; DUBOVSKIY, Ya.K.; YEVTIKHIYEV, B.Ye.; ZHARIKOV, I.S.; ZHILIN, A.P.; ZHOLNEROVICH, A.M.; ZHURAVEL', B.N.; ZABELLO, D.A.; ZAKHARENKO, G.D.; ZUBETS, V.M.; IVITSKIY, A.I.; KACHURO, I.M.; KEDROV-ZIKHMAN, O.K.; KIDALINSKIY, V.A.; KIPENVARLITS, A.F.; KOVALEVSKIY, G.T.; KOVAL'CHUK, P.P.; KOZHANOV, K.Ya.; KOZLOVSKIY, I.Ye.; KOCHETOVA, Z.N.; KRIVODUBSKIY, I.P.; KUDRYAVTSEV, S.F.; KUSTOVA, A.I.; LAPPO, A.I.; LARIONENKO, V.B.; LASHKEVICH, G.I.; MAL'CHEVSKIY, V.I.; MAN'KO, N.P.; MARKOVETS, A.F.; MATSEPURQ, M.Ye.; MEDVEDEV, A.G.; MEL'TSER, Ya.D.; MOISEYEV, I.G.; MUSORIN, V.V.; MUKHIN, N.D.; NAGORSKAYA, Ye.D.; NALIBOTSKIY, S.B.; NIKOLAYEVA, Yu.N.; NEDOLUGOV, I.T.; ORLOVSKIY, I.A.; ORLOVSKIY, K.P.; PANKOVICH, A.A.; PESKIN, A.L.; PROKOPOV, P.Ye.; PUSHKAREV, I.I.; RAZMYSLOVICH, I.R.; RAZUMENKO, A.V.; REMNEVA, Z.I.; RINKIS, V.A.; ROVDO, A.I.; ROGOVOY, P.P.; ROZENBLYUM, B.M.; RYZHMANOV, A.G.; RUSINOV, A.A.; SAVCHENKO, A.I.; SAPUNOV, V.A.; SAFRONOV, I.P.; SVIRSKIY, Ya.N.; SEVERNEV, V.P.; SERGEYEV, I.V.; SEMANOV, A.L.; SIDORENKO, G.M.;

(Continued on next card)

MALININ, S.N.---(continued) Card 2.

SKOROPANOV, S.G.; SKRIPNICHENKO, L.A.; SMIRNOV, T.Ye.; STAROVOYTOV, K.T. [deceased]; STRELKOV, I.G.; SUSLOV, V.P.; SUKHORUKOV, G.Ye.; SYUBAROV, A.Ye.; TIMOSHININ, V.D.; TISHKEVICH, I.I.; TROPASHKO, I.N.; TRIZNO, S.I.; TRIMA, N.K.; TUZOVA, R.V.; TURETSKIY, R.L.; UMANSKIY, M.M.; UR'YEV, I.M.; KHOT'KO, A.I.; KHROBOSTOV, S.N.; TSE-KHANOVICH, P.V.; CHERNYAVSKIY, I.G.; CHULKOVA, Ye.I.; CHUNOSOV, M.N.; SEMPET', V.I.; SHIKHALEYEV, N.F.; SHKLYAR, A.Ye.; SHCHERBOV, N.A.; YURGINS, B.A.; YUSKOVETS, M.K.; YAKOVLEV, B.I.; YAKERSON, S.A.; YARO-SHEVICH, A.A.; LUTSENKO, M.N., red.; LARIN, V., red.; KALECHITS, G., tekhn.red.

[Measures for increasing agricultural production per 100 hectares of land on collective and state farms of White Russia] Meropriatia po uvelicheniiu proizvodstva sel'skokhoziaistvennoi produktsii na 100 gektarov zemel'nykh ugodii v kolkhozakh i sovkhovakh BSSR. Red.kolle-gia; I.S.Lupinovich i dr. Minsk, Gos.izd-vo BSSR. Red.sel'khoz. lit-ry, 1959. 601 p. (MIRA 13:4)

1. White Russia. Ministerstvo sel'skogo khozyaystva.
(White Russia--Agriculture)

LUPINOVICH, I.S., akademik, otv. red.; MINKEVICH, I.A., akademik, red.;
LAPPO, A.I., akademik, red.; MEDVEDEV, A.G., akademik, red.;
MINKEVICH, I.A., akademik, red.; ROGOVOY, P.P., akademik, red.;
SHEMPSEL', V.I., akademik, red.; STRELKOV, I.G., dotsent, red.

[Materials of the Conference on the Methods of Research on
Increasing the Fertility of Light Soils] Materialy Nauchno-
metodicheskogo soveshchaniya po povysheniyu plodorodiya leg-
kikh pochv. Minsk, 1959. Moskva, Izd-vo M-va sel'khoz.

(MIRA 14:5)

1. Nauchno-metodicheskoye soveshchaniye po povysheniyu plodo-
rodiya legkikh pochv. Minsk, 1959. 2. Akademiya nauk BSSR i
Akademiya sel'skokhozyaystvennykh nauk BSSR (for Shempel')
(Soil fertility)

LUPINOVICH, I.S., akademik

Introducing efficient cropping practices on collective and
state farms of White Russia. Zemledelie 7 no.10:3-10
0 '59. (MIRA 13:1)

1. Akademiya sel'skokhozyaystvennykh nauk BSSR.
(White Russia--Agriculture)

SKOROPANOV, S.G., glavnyy red.; BREZHNEV, D.D., red.; LUPINOVICH, I.S.,
skademik, red.; SINYAGIN, I.I., red.; SOKOLOV, N.S., red.;
KHOT'KO, A.I., kand.sel'skokhoz.nauk, red.; SHUL'GA, K.V., red.;
SVIRIDOV, V.I., tekhn.red.

[Reclaiming bog and swampy soils of the non-Chernozem zone of the
European U.S.S.R.; materials of the joint scientific session,
July 8-11, 1958] Osvoenie bolotnykh i zabolochennykh pochv nechno-
zemnoi zony Evropeiskoi chasti SSSR; materialy ob"edinennoi nauchnoi
sessii 8-11 iul'ia 1958 g. Minsk, Izd-vo Akad.sel'khoz.nauk BSSR,
1960. 258 p. (MIRA 14:4)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.
Lenina. 2. Chlen-korrespondent AN BSSR (for Skoropanov).
3. Akademiya nauk BSSR i Akademiya sel'skokhozyaystvennykh nauk
BSSR (for Lupinovich).
(Reclamation of land) (Peat bogs)

DENISOVA, A.Z.; LUPINOVICH, I.S.

Effect of gibberellic acid on the mineral nutrition of plants.
Fiziol. rast. 8 no.4:454-459 '61. (MIRA 14:11)

1. Soil Science Institute, B.S.R. Agricultural Academy, Minsk.
(Gibberellic acid)
(Plant--Assimilation)

SKOROPANOV, Stepan Gordeyevich; LUPINOVICH, I.S., akademik, nauchnyy red.; MISHANOVA, Ye.A., red.; STERZHANOV, P.M., tekhn. red.

[Reclaiming and using peat-bog soils] Osvoenie i ispol'zovanie torfiano-bolotnykh pochv. Minsk, Izd-vo Akad. sel'khoz. nauk BSSR, 1961. 249 p. (MIRA 16:6)

1. Akademiya nauk i Akademiya sel'skokhozyaystvennykh nauk Belorusskoy SShR (for Lupinovich).
(White Russia--Peat bogs)

LUPINOVICH, I.S.; KULAKOVSKAYA, T.N.

Agrochemical characteristics of turf-Podzolic medium-light loam
soils and the efficiency of phosphorus fertilizers. Pochvovedenie
no.11:17-23 N '62. (MIRA 16:1)

1. Institut pochvovedeniya Ministerstva sel'skogo khozyaystva BSSR.
(Podzol) (Phosphates)

LUPINOVICH, I.S.

V.I.Vernadskii and the development of soil biogeochemistry. Vestsi
AN BSSR. Ser. Fiz.-tekh. nav. no.2:130-136 '63. (MIRA 17:1)

LUPINOVICH, Ivan Stepanovich; BOROVIKOVA, R., red.

[Role of the liming of soils in the improvement of their
fertility] Rol' izvestkovaniiachv v povyshenii ikh
plodorodiia. Minsk, Izd-vo "Urozhai," 1964. 41 p.
(MIRA 17:7)

LUPINOVICH, I.S.

Some regularities in the distribution of trace elements
in White Russia. Pochvovedenie no.11:46-52 N '65.
(MIRA 18:12)

1. Belorusskiy nauchno-issledovatel'skiy institut
pochvovedeniya. Submitted March 2, 1965.

LUPINOVICH, I.S.; AFANAS'YEV, N.I.

Thermal properties of waterlogged soils in the White Russian
S.S.R. Dokl. AN BSSR 9 no.10:683-685 0 '65. (MIRA 18:12)

1. Nauchno issledovatel'skiy institut pochvovedeniya.
Submitted April 28, 1965.

SHOPEN, I.P., general-na/or meditsinskoy sluzhby; LUPINOVICH, L.S.,
podpolkovnik meditsinskoy sluzhby

The military hospital struggles in response to the appeal of the
communist society. Voen. med. zhur. no. 2:13-17 '63. (MIRA 17:9)

SHOPEN, I.P., general-mayer meditsinskoy sluzhby; MAKINOVICH, I.S.,
podpolkovnik meditsinskoy sluzhby

An institution of communist labor. Voenn.-med. akad. no. 10-17 '64.
(KIRA 18:5)

LUPINOVICH, Yu.I.

Some mineralogical characteristics of carnallite from the potassium salt deposit of Starobin. Dokl.AN BSSR 6 no.4:247-250 Ap '62.
(MIRA 15:4)

1. Institut geologicheskikh nauk AN BSSR. Predstavleno akademikom AN BSSR K.I.Lukashevym.
(Starobin region--Carnallite)

LUPINOVICH, Yu.I.

Intermittent structure of the lower sylvinite zone of the
third potassium horizon in the Starobin deposit. Dokl. AN
BSSR 8 no.2:111-115 F '64. (MIRA 17:8)

1. Institut geologicheskikh nauk Gosudarstvennogo geologi-
cheskogo komiteta SSSR. Predstavleno akademikom AN BSSR
K.I. Lukashevym.

KISLIK, V.Z.; LUPINOVICH, Yu.I.

Structural characteristics of the marginal zone of the 2d
potassium horizon of the Starobin deposit. Dokl. AN BSSR 8
no.11:740-744 N '64. (MIRA 18:3)

1. Institut geologicheskikh nauk Gosudarstvennogo geologicheskogo
komiteta SSSR.

LUPINOVICH, Yu.I.

Measurement of the cross section of the industrial part of the
3d potassium horizon of the Starobin deposit. Dokl. AN BSSR 9
no.1:44-48 Ja '65. (MIRA 18:10)

1. Institut geologicheskikh nauk gosudarstvennogo geologicheskogo
komiteta SSSR.

LUPINOVICH, Yu.I.; KISLIK, V.Z.

Ripple marks in the rock salt of the second potassium horizon
of the Starobin deposit. Lit. i pol. iskop. no.2:174-176
Mr-Ap '65. (MIRA 18:6)

1. Institut geologicheskikh nauk Gosudarstvennogo geologicheskogo
komiteta SSSR.

FOMINA, V.D.; LUPINOVICH, Yu.I.; KISLIK, V.Z.

Jointing of potassium horizons in the Starobin deposit. Dokl. AN BSSR
9 no.7:463-467 J1 '65. (MIRA 18:9)

1. Institut geologicheskikh nauk Gosudarstvennogo geologicheskogo
komiteta SSSR i Pervyy Soligorskiy kaliynyy kombinat.

LUPINSKAYA, R.I. (Khar'kov)

From the practice of replantation of teeth in outpatients.
Stomatologiya 42 no.2:97 Mar-Apr'63 (MIRA 17:3)

LUPINSKAYA, Z.A.

Flexion and extension reflex arches in spinal animal during the development of parabiotic inhibition in the flexion reflex arch. Biul. eksp. biol. i med. 40 no.9:10-13 S '55. (MLRA 8:12)

1. Iz kafedry normal'noy fiziologii (zav.-prof. G.P.Konradi) Kirgizskogo meditsinskogo instituta, Frunze.

(SPINAL CORD, physiology,

eff. of resection on flexion & extension reflex arches in spinal animals during develop. of parabiotic inhib. of flexion reflex arch)

(MUSCLES, physiology,

flexion & extension reflex arches in spinal animals during development of parabiotic inhib. flexion reflex arch.)

(NERVOUS SYSTEM, physiology,
same)

LUPINSKIY, M. I., Eng.

Waves

Determining the speed of particles on the crest of a wave. Gidr. i mel. 4 No. 8, 1952

Monthly List 68 Russian Accessions, Library of Congress, December 1952. Unclassified

LUPINSKIY, M. I.

USSR/Engineering - Hydraulics, Dams

May 52

"Stone-Slope Protection of Earth Dams,"
M. I. Lupinskiy, Engr

"Gidrotekh Stroiti" No 5, pp 16-20

Describes expts conducted on 1:5 scale model at the Ukrainian Branch of Vodego (All-Union Sci Res Inst of Water Supply, Sewerage, Hydraulic Eng Structures, and Eng Hydrogeol) for establishing relationship between height of waves and size of

230T13

stones used for upstream slope pavement. Empirical formula was developed for thickness of pavement. Method was also worked out for detg thickness and optimum fractional compn of backing or filtering layer.

230T13

235T96

USSR/Physics - Hydrodynamics

11 Sep 52

"Problem of the Height of Waves Rolling Up Inclined Walls," M. I. Lupinskiy, Ukrainian Branch of Voderge (All-Union Sci Res Inst of Water Supply, Sewerage, Hydraulic Eng Structures and Eng Hydrogeol)

"Dok Ak Nauk SSSR" Vol 86, No 2, pp 239-241

Discusses formula relating energy of wave E, wave height h, wave length L, and the height of rolling H (P. G. Kisilev, "Handbook on Hydraulic Computations," 1950). Derives a new empirical formula relating H and E, besides roughness of wall n and

235T96

coeff A involving angle of slope of wall.
Submitted by Acad A. I. Nekrasov 10 Jul 52.

235T96

LUPINSKIY, M. I.

LUPINSKIY, M.I., kandidat tekhnicheskikh nauk.

Reinforcing the upper slopes of earth dams with slabs. Gidr.1 mel. 5 no.10:
58-64 0 '53. (MLRA 6:9)
(Dams)

98-58-5-15/33

LUPINSKIY, M.I.

AUTHOR: Lupinskiy, M.I.; Candidate of Technical Sciences

TITLE: Letters and Responses From Readers (Pis'ma i otkliki chitateley). On a New Proposal of Calculating Reinforcements of the Type "Stone Layers" (O novom predlozhenii po raschëtu krepleniya tipa "kamennaya nabroska")

PERIODICAL: Gidrotekhnicheskoye Stroitel'stvo, 1958, Nr 5, pp 48-49 (USSR)

ABSTRACT: Professor B.A. Pyshkin recommended a new formula (Gidrotekhnicheskoye Stroitel'stvo, 1956, Nr 8) to determine the size of stones to be placed on the slopes of hydrotechnical earth structures in order to protect them from destructive effects of waves. The author refutes the correctness of this formula, because Professor Pyshkin has generalized all characteristic conditions under which experiments were carried out and did not observe the physical premises laid down as a computation base. The formula cannot be recommended for use.
There is 1 formula, 1 table, and 1 Soviet reference.

AVAILABLE: Library of Congress
Card 1/1

LUPINSKIY, M.I., kand.tekhn.nauk; YURKOV, Yu.V., inzh.

Concerning V.B.Makarov's suggestion "Precast reinforcement for
stabilizing slopes of hydraulic structure". Gidr.stroi. 32
no.7:48 J1 '62. (MIRA 15:7)
(Precast concrete construction) (Hydraulic structures)

ZOTOV, V.P.; SILUYANOV, V.G.; GUGINA, Ye.F.; AUERMAN, L.Ya.; ALEKHINA, M.S.;
BEZZUBOV, A.D.; BODROV, V.A.; BUDNYI, A.V.; BURTSEV, Ye.L.;
VAYNSHTEYN, V.O.; GAVRILOV, A.N.; GORBATOV, V.M.; GRITSENKO, N.N.;
DOLGUSHEVA, L.I.; YEDYGENOV, K.Ye.; ZHURAVLEVA, S.S.; ZACHESKIN,
Ya.A.; IVKIN, A.P.; IZOTOV, A.K.; IL'INSKIY, N.A.; IRINARKHOVA,
A.M.; KARPENKO, A.K.; LYSOGOR, P.M.; LUPISH, A.T.; OLEYNIKOV, V.V.;
CRANZHEREYEVA, V.F.; PETROV, N.A.; PYATIBRATOV, M.A.; ROMANOV,
A.N.; RAUBE, P.V.; RYZHENKO, L.P.; SEMYKIN, A.A.; SHEFER, A.P.

G.IA.Ivanov; obituary. NTO 4 no.10:39 0 '62. (MIRA 15:9)
(Ivanov, Georgii Iakovlevich, 1897-1962)

LUPKIN, D.M.

LUPKIN, D.M., kandidat tekhnicheskikh nauk

Causes of flashover in electric motor collectors and methods
of determining the conditions giving rise to it. Sbor. LIIZHT
no. 145:112-148 '53. (MIRA 8:10)
(Electric railroads)

56

AUTHOR: Lupkin D. M., Docent, Cand. Tech. Sci., Nemchenko, N.M.,
Cand. Tech. Sci.

TITLE: The Function of Insulation between Commutator Bars in
the Process of Commutation (O roli izolyatsii mezhdu
plastinami kollektora v protsesse kommutatsii)

PERIODICAL: Vestnik Elektromyshlennosti, 1957, No.2, pp.25-27
(U.S.S.R.)

ABSTRACT: In calculating the commutation of d.c. machines there
is a tendency to ensure complete compensation of the
reactive e.m.f. by the magnetic field of the interpole
and it is considered that when this is done the current
in the short circuited section varies linearly. However,
an analysis presented in this article shows that this
is not so.

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An equation is derived from which relationships between
the currents in commutator segments and the contact
resistance are found. Then curves are derived for the
current in a commutator bar with ideal commutation and

TITLE: The Function of Insulation between Commutator Bars in the Process of Commutation (O roli izolyatsii mezhdu plastinami kollektora v protsesse kommutatsii)

then in several adjacent bars. A current curve is then plotted for commutation in the case when the brush covers a whole number of bars, and similarly when it covers a whole number of bars plus a part of a bar. The first of these current curves follows a stepped line and the second a broken line. In classical theory it is usual to discount the thickness of the insulation between bars so that a theoretically straight commutation line is obtained when the commutating and constant reactive e.m.f.'s are equal. The total e.m.f. in the short circuited section is zero, the rate of change of current is constant and the current is distributed uniformly under the brush. However, when allowance for the thickness of the insulation are made, as in this case, then, when the commutating and reactive e.m.f.'s are equal, the rate of change of the current varies, though to a lesser extent with constant commutating e.m.f.; but the total e.m.f. in the short circuited

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TITLE:

The Function of Insulation between Commutator Bars in the Process of Commutation (O roli izolyatsii mezhdu platinami kollektora v protsesse kommutatsii)

section is however not zero and the current is not distributed uniformly under the brush. Under certain conditions this leads to sparking and the presence of an uncompensated e.m.f. in the short circuited section increases radio interference. These undesirable effects are more severe if the width of the brush is not equal to a whole number of commutator bars. This point should be taken into account in designing machinery.

Card 3/4

The article contains 5 diagrams. There are no references.

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TITLE: The Function of Insulation between Commutator Bars in the Process of Commutation (O roli izolyatsii mezhdu platinami kollektora v protsesse kommutatsii)

ASSOCIATION: Leningrad Institute of Railroad Engineering (Leningradskiy institut inzhenerov zheleznodorozhnogo transporta)
Novosibirsk Electrotechnical Communications Institute (Novosibirskiy elektrotekhnicheskiy institut svyazi)

PRESENTED BY:

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Card 4/4

Lupkin, D.M.

PA - 3116

AUTHOR: 1.) Cand. of techn. sciences, Doz. LUPKIN, D.M.
 2.) Cand. of techn. sciences, POMILUYKO, N.S. and Doz. SHLYAKHTO, P.N.
 3.) Cand. of techn. sciences, PASHIN, M.F.

TITLE: 1.) Inductionfree Condensators for a Capacity Divider of Impulse Voltage.
 Benzinduktsionnyy kondensator klya yemkostnogo delitelya impul'snykh napryazheniy. Russian).
 2.) Ways and Means of Improving Train Motors.
 (Puti uluchsheniya tyagovykh dvigateley postoyannogo toka. Russian).

PERIODICAL: Elektrichestvo, 1957, Nr 5, pp 81 - 82 (U.S.S.R.)
 Received: 6 / 1957 Reviewed 7 / 1957

ABSTRACT: 1.) Concerns the article in Elektrichestvo, 1955, Nr 9. A number of mistakes are printed out.
 2.) Is the answer of the author of the article which was criticized to by Lupkin. Lupkin's criticisms are refuted.
 3.) A special condensor with an additional pair of potential installations, which is connected to the oscillograph, is proposed and described. The potential installations make it possible to get ried of the parasitic EMK of selfinduction which arises

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PA-3116

- 1.) Inductionfree Condensers for a Capacity Dividor of Impulse Voltage.
- 2.) Ways and Means of Improving Train Motors.
without resistance in those wires with whose help the condenser is connected to the dividor circuit. (With 1 illustration and 1 Slavic reference.)

ASSOCIATION: The Leningrad Institute of Railroad Engineers.
PRESENTED BY:
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AVAILABLE: Library of Congress

Card 2/2

SOV/112-59-5-9126

32(3)

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 103 (USSR)

AUTHOR: Lupkin, D. M. and Nemchenko, N. M.

TITLE: Metadyne and Its Application to Electric Traction

PERIODICAL: Sb. Leningr. in-ta inzh. zh.-d. transp., 1957, Nr 155, pp 103-115

ABSTRACT: The metadyne, invented by Academician K. I. Shenfer in 1929, gained a certain usage in the electric traction in those cases where frequent motor starting is required, e.g., in metropolitan transportation and on switching locomotives. At present, the metadyne is used on French railroads, the London subway, and the Berlin streetcar system. Algebraic equations describing metadyne operation and connecting its principal parameters are presented. The equations are developed with no allowance for magnetic saturation. In the principal scheme, the metadyne is considered as a DC converter that comprises a two-pole armature, a round windingless stator, and four commutator brushes shifted by 90° . The armature is driven by a

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Metadyne and Its Application to Electric Traction

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separate motor at a constant speed. The role of the "controlling" winding that secures the automatic characteristic of motor operation is noted. Formulae are developed for determining the parameters of the "regulating" metadyne winding; commutation problems are examined; the role of a "stabilizing" winding under transient conditions (current collector break) is clarified; rules for putting the metadyne into service are given. The figure-8 circuit of traction motors is explained; the problem of the best characteristic of a metadyne-fed motor is considered; a mathematical analysis of the automatic characteristic of a motor fed by a metadyne is given. Regenerative braking by means of a metadyne is examined. Bibliography: 2 items.

V.N.K.

Card 2/2

LUPKIN, D.M., kand.tekhn.nauk (Leningrad)

Selecting the type of a.c.electric locomotive. Zhel.dor.transp.
40 no.4:13-15 Ap '58. (MIRA 13:4)
(Electric locomotives)

LUPKIN, D.M., kand.tekhn.nauk, dots.; GOLYNCHIK, L.S., inzh.; DUNENKOV, V.L.,
inzh.; PEREVOZCHIKOV, S.N., inzh.

Electric locomotives using single-phase-3-phase current of
industrial frequency with multi-speed asynchronous short-
circuit traction motors. Sbor.LIIZHT no.159:71-91 '58.
(MIRA 12:2)

(Electric locomotives)